

CLAIMS

We claim:

1. Apparatus comprising:

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an automated banking machine including a housing;

at least one input device in supporting connection with the housing adapted to
receive inputs associated with each user of the machine;

a cash dispenser;

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a transport adapted to transport deposit items between a deposit opening on the
housing and a deposit storage area in the housing;

a printhead operative to print indicia on deposit items that are moved through the
transport;

a wiper movably mounted in supporting connection with the housing and adapted to engage the printhead;

a drive in operative connection with a wiper;

at least one controller in the housing, wherein the at least one controller is in operative connection with the at least one input device, cash dispenser, transport, printhead and drive, and wherein the at least one controller is operative to cause the wiper to engage the printhead.

2. The apparatus according to claim 1 wherein the wiper comprises a resilient squeegee portion, and wherein the printhead includes ink nozzles, and wherein the squeegee portion moves over the nozzles.

3. The apparatus according to claim 1 and further comprising a gate movably mounted in supporting connection with the housing, and wherein the gate is movable between a blocking position wherein the gate extends between the at least one transport and the deposit storage area, and an open position wherein deposit items are enabled to move from the transport to the deposit storage area.

4. The apparatus according to claim 3 wherein the gate is in operative connection with the drive, whereby the gate and the wiper are operatively interconnected.

5. The apparatus according to claim 2 wherein the transport comprises a platen including an item engaging surface, and at least one adjacent belt flight disposed adjacent the item engaging surface, and wherein when the squeegee portion of the wiper is not engaged with the nozzles, an outer surface of the wiper extends generally flush with the item engaging surface.

6. The apparatus according to claim 5 wherein deposit items move through the transport along a first direction, and wherein the wiper moves along the first direction to move the squeegee portion over the nozzles.

10 7. The apparatus according to claim 6 wherein the platen includes at least one guide surface in supporting connection therewith, wherein the at least one guide surface is operative to guide the squeegee portion to move over the nozzles.

15 8. The apparatus according to claim 7 and further comprising a movable plate in supporting connection with the housing, and wherein the wiper is in operative connection with the plate and is moved responsive to movement thereof, and wherein the plate has in supporting connection therewith a gate, and wherein the gate responsive to movement of the plate, moves between a blocking position wherein the gate extends between the transport and the deposit

storage area, and an open position wherein the gate does not extend between the transport and the deposit storage area.

9. The apparatus according to claim 8 and further comprising an empty envelope dispenser within the housing, wherein the empty envelope dispenser is selectively operative to deliver an empty envelope from a supply of empty envelopes in the machine, and wherein the empty envelope is enabled to be carried by the transport to the deposit opening.

10. The apparatus according to claim 9 wherein the empty envelope dispenser is in operative connection with the plate and is operative to dispense an empty envelope responsive to movement of the plate.

10 11. The apparatus according to claim 2 and further comprising a vessel in supporting connection with the housing, wherein the vessel includes an opening in opposed relation of the nozzles, and wherein the vessel opening accepts ink from the nozzles that is not applied to deposit items.

15 12. The apparatus according to claim 11 wherein the vessel further comprises an internal cavity and at least one weir extending in the internal cavity, wherein the at least one weir enables ink to collect in the cavity without flowing out of the vessel through the opening.

13. The apparatus according to claim 12 wherein the vessel includes a movable access member movable relative to the vessel, wherein the movable access member enables accessing the cavity within the vessel.

14. The apparatus according to claim 13 wherein the vessel is movably mounted in supporting connection with the housing.

15. The apparatus according to claim 14 wherein the vessel is movably mounted in supporting connection with the housing through a pivot.

16. The apparatus according to claim 15 wherein the nozzles are generally upward directed, and wherein the vessel extends generally above the printhead, and wherein the vessel is biased to rotatably move about the pivot and to urge the vessel opening to be positioned adjacent the nozzles.

17. The apparatus according to claim 16 wherein the vessel includes a first contoured exterior surface such that deposit items moving from the deposit opening toward the deposit storage area engage the first contoured exterior surface and are urged towards the nozzles.

18. The apparatus according to claim 14 wherein deposit items moving from the deposit opening toward the deposit storage area engage and move the vessel relative to the housing.

5 19. The apparatus according to claim 17 and further comprising an empty envelope dispenser within the housing, wherein empty envelopes move in the transport from the envelope dispenser towards the deposit opening.

10 20. The apparatus according to claim 19 wherein the vessel includes a second contour exterior surface, wherein the second contoured exterior surface is operative to direct envelopes moving in the transport toward the deposit opening, to move between the nozzles and the vessel opening.

21. The apparatus according to claim 14 wherein the vessel is releasibly mounted in supporting connection with the housing.

15 22. The apparatus according to claim 11 wherein the vessel extends above the nozzles, and wherein the vessel includes an internal ink holding cavity, and wherein the cavity extends vertically below the vessel opening.

23. The apparatus according to claim 11 wherein the vessel is movably mounted in supporting connection with the housing, and wherein the vessel is engaged with and moved by deposit items in the transport.

24. The apparatus according to claim 10 and further comprising a vessel including an interior cavity, wherein the vessel is movably mounted in supporting releasible connection with the housing, and wherein the nozzles generally direct ink in an upward direction, and wherein the vessel includes a vessel opening generally aligned with the nozzles, wherein ink from the nozzles not applied to deposit items passes into the vessel opening, and wherein the vessel includes at least one cavity bounded by an internal weir, wherein ink passed into the vessel through the vessel opening is held in the cavity and generally prevented from passing out of the vessel through the vessel opening by the weir, and wherein the vessel includes a movable access member supported thereon, wherein ink in the cavity is enabled to be accessed to be removed therefrom through movement of the movable access member, and wherein the vessel includes at least one contoured exterior surface, wherein at least one of empty envelopes and deposit items moving along the first direction in the transport engage the at least one contoured external surface and are directed thereby between the nozzles and the vessel opening.

25. Apparatus comprising:

an automated banking machine including,

a cash dispenser,

a printer including nozzles,

a transport adapted to move deposit items in the machine, wherein the printer is operative to print indicia on deposit items through ink output through the nozzles,

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a wiper movably mounted in the machine and adapted to wipe the nozzles.

26. The apparatus according to claim 25 wherein the deposit items include at least one of deposit envelopes, empty envelopes and sheets.

27. The apparatus according to claim 25 and further comprising:

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a removable vessel including an internal ink holding cavity, and a vessel opening generally opposed of the nozzles, wherein ink from the nozzles not applied to deposit items passes through the vessel opening.